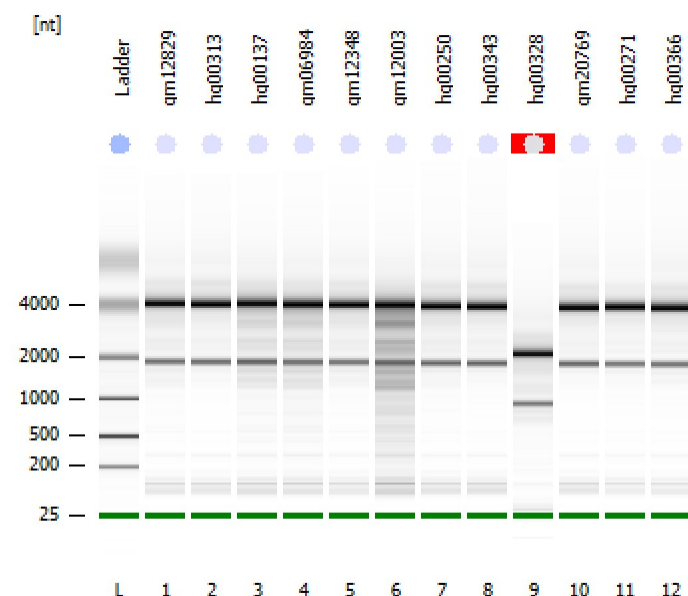


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-17_16-00-49.xad

Created: 10/17/2011 4:00:49 PM
Modified: 10/17/2011 4:24:43 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

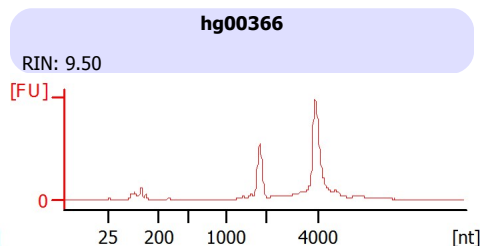
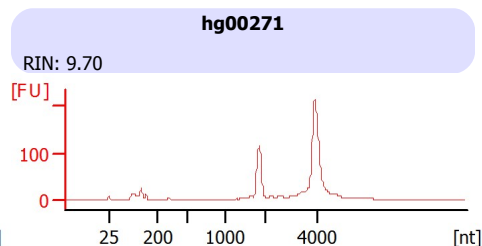
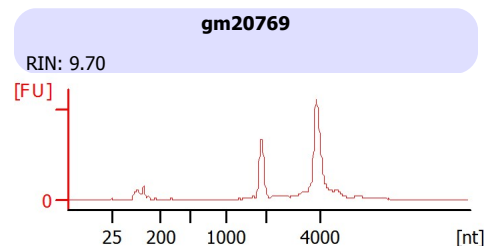
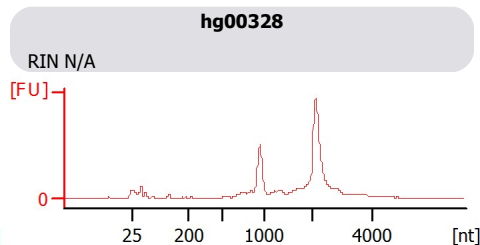
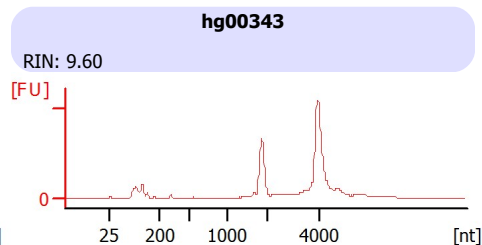
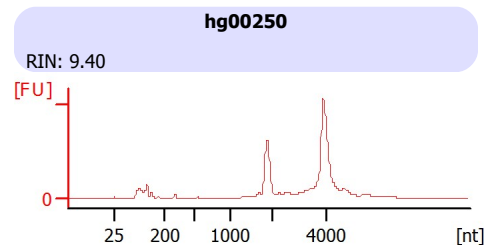
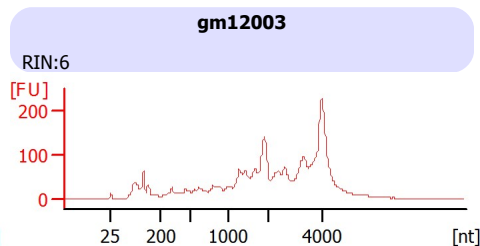
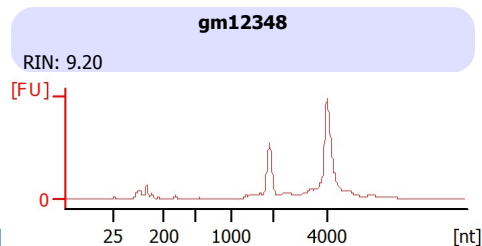
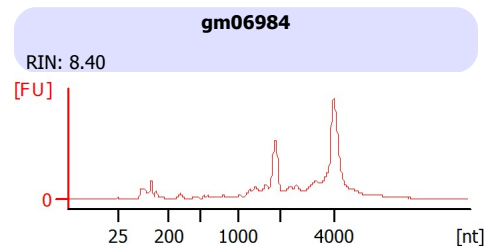
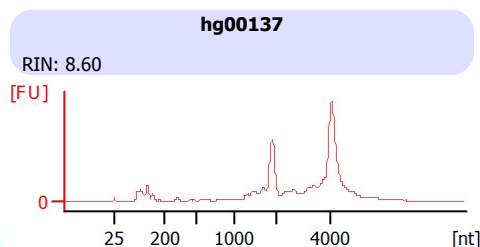
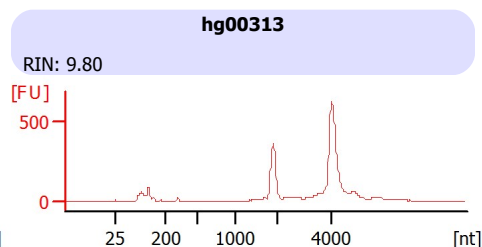
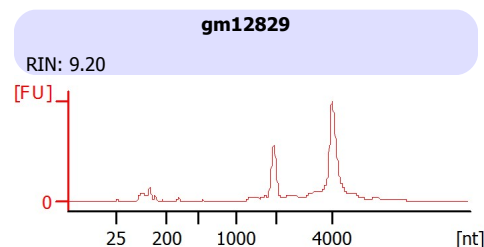
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-17_16-00-49.xad

Created: 10/17/2011 4:00:49 PM
Modified: 10/17/2011 4:24:43 PM

Electrophoresis File Run Summary (Chip Summary)

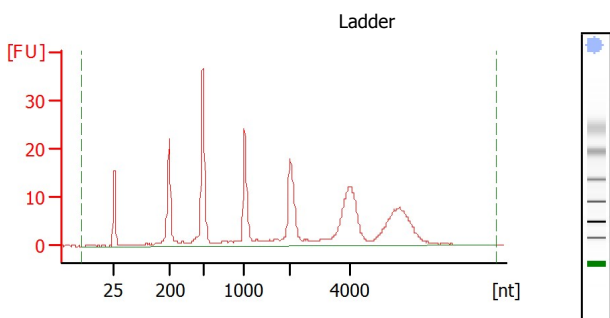
Sample Name	Sample Comment	Status	Result Label	Result Color
gm12829		✓	RIN: 9.20	
hg00313		✓	RIN: 9.80	
hg00137		✓	RIN: 8.60	
gm06984		✓	RIN: 8.40	
gm12348		✓	RIN: 9.20	
gm12003		✓	RIN:6	
hg00250		✓	RIN: 9.40	
hg00343		✓	RIN: 9.60	
hg00328		✓	RIN N/A	
gm20769		✓	RIN: 9.70	
hg00271		✓	RIN: 9.70	
hg00366		✓	RIN: 9.50	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-17_16-00-49.xad

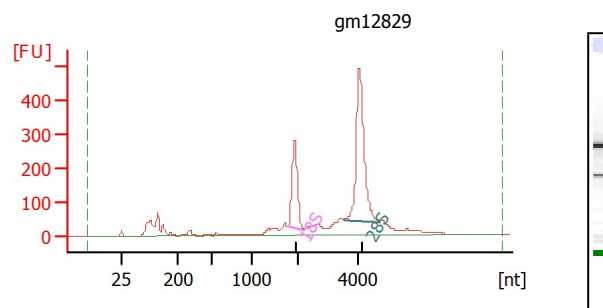
Created: 10/17/2011 4:00:49 PM
 Modified: 10/17/2011 4:24:43 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 286.6
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

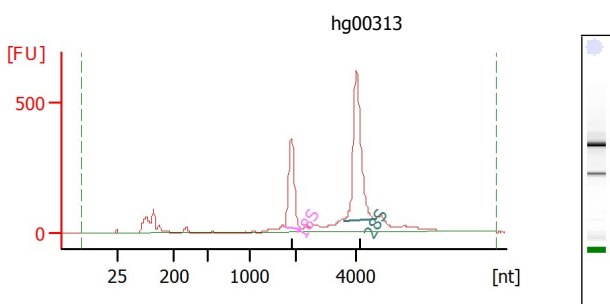


Overall Results for sample 1 : gm12829

RNA Area: 3,034.1
 RNA Concentration: 1,588 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

Fragment table for sample 1 : gm12829

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,756	2,186	441.0	14.5
28S	3,487	4,677	914.3	30.1

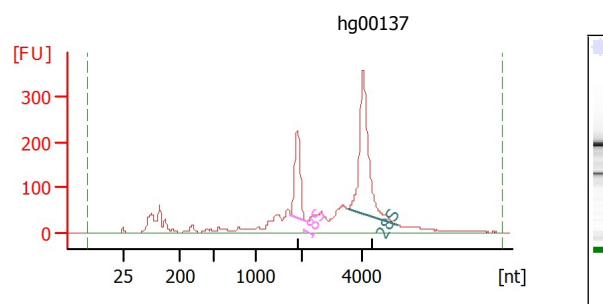


Overall Results for sample 2 : hg00313

RNA Area: 3,456.0
 RNA Concentration: 1,809 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 2 : hg00313

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,753	2,190	604.6	17.5
28S	3,591	4,632	1,154.7	33.4



Overall Results for sample 3 : hg00137

RNA Area: 2,882.9
 RNA Concentration: 1,509 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 8.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.60

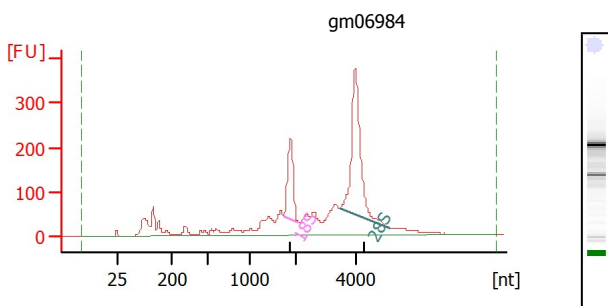
Fragment table for sample 3 : hg00137

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,753	2,120	335.2	11.6
28S	3,494	5,146	761.1	26.4

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-17_16-00-49.xad

Created: 10/17/2011 4:00:49 PM
 Modified: 10/17/2011 4:24:43 PM

Electropherogram Summary Continued ...

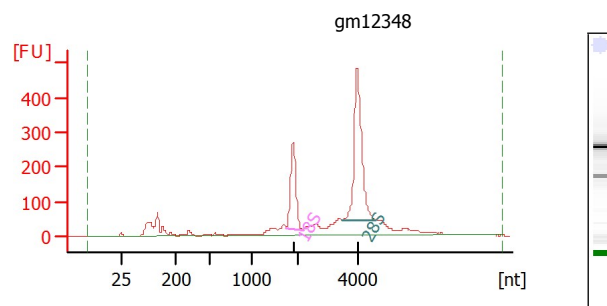


Overall Results for sample 4 : gm06984

RNA Area: 3,119.1
 RNA Concentration: 1,633 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.40

Fragment table for sample 4 : gm06984

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	2,091	313.2	10.0
28S	3,482	5,151	767.1	24.6

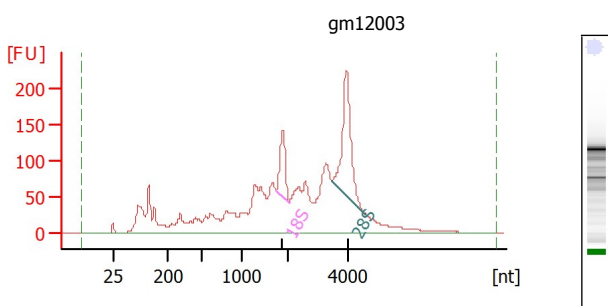


Overall Results for sample 5 : gm12348

RNA Area: 2,928.6
 RNA Concentration: 1,533 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.20

Fragment table for sample 5 : gm12348

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,746	2,171	426.7	14.6
28S	3,475	4,639	887.3	30.3

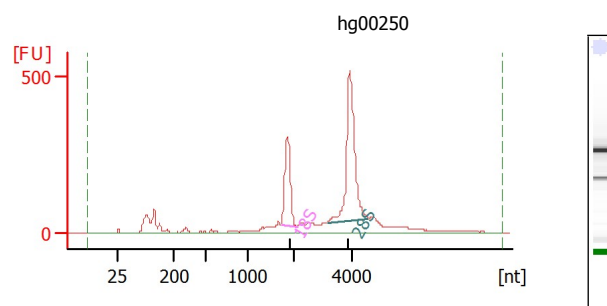


Overall Results for sample 6 : gm12003

RNA Area: 3,342.0
 RNA Concentration: 1,749 ng/μl
 rRNA Ratio [28s / 18s]: 2.6
 RNA Integrity Number (RIN): 6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 6

Fragment table for sample 6 : gm12003

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,729	2,038	154.5	4.6
28S	3,469	4,618	394.0	11.8



Overall Results for sample 7 : hg00250

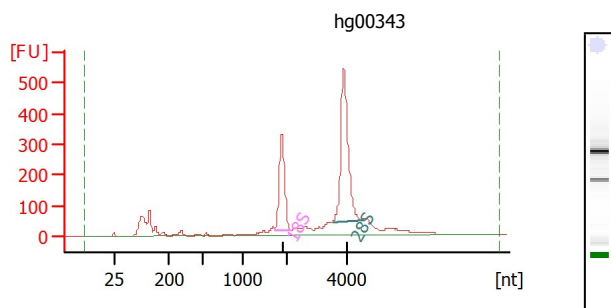
RNA Area: 3,232.1
 RNA Concentration: 1,692 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 7 : hg00250

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,136	489.3	15.1
28S	3,144	4,551	1,034.8	32.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-17_16-00-49.xad

Created: 10/17/2011 4:00:49 PM
Modified: 10/17/2011 4:24:43 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : hg00343**

RNA Area: 3,252.6
RNA Concentration: 1,702 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 9.6 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.60

Fragment table for sample 8 : hg00343

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,723	2,118	542.0	16.7
28S	3,519	4,534	1,008.8	31.0